

CENTRAL INTELLIGENCE AGENCY

WASHINGTON, D.C. 20505

August 31, 1977

Mr. Vernon E. Gardner  
6624 Kirby Court  
Falls Church, Virginia 22043

Dear Mr. Gardner:

Admiral Turner asked me to thank you for your invitation for him to address the Northern Virginia Institute of Electrical and Electronics Engineers. Unfortunately, his schedule during the next few months is very tight, and he is unable to accept.

I have contacted one of the Agency's senior electronics engineers who will be able to substitute for Admiral Turner if you desire. [REDACTED] is a member of the Institute of Electrical and Electronics Engineers and is presently Chief of the Electronics Branch of our Office of Scientific Intelligence. He is the author of numerous intelligence publications on radar, electronics technology, and electronic warfare.

[REDACTED]'s address would be entitled "Scientific Intelligence," and would last about forty minutes. He would cover the origins of scientific and technical intelligence and the theory and practice of modern scientific intelligence analysis, with particular emphasis on electronics. He would be able to do this at your October or November meetings.

Please be in touch directly with me so that we can make precise arrangements.

STATINTL

[REDACTED]  
Coordinator for Academic Relations  
and External Analytical Support



NORTHERN VIRGINIA  
SECTION CORRESPONDENCE

Please address reply to:  
6624 Kirby Court,  
Falls Church, Va.  
22043  
1 July 1977

Admiral Stansfield Turner,  
Central Intelligence Agency,  
McLean, Va.  
22101

Dear Admiral Turner:

I have read with great interest the article entitled "America's 'Superspook': At Work in a Lion's Den" which appeared on page A1 of the Sunday, June 26, 1977, issue of The Washington Post and the continuation on page A14 under the heading "CIA Chief Turner: 'Working in a Sophisticated Lion's Den'".

I represent the Institute of Electrical and Electronics Engineers, Inc., the world's largest engineering society for men and women. This organization strives to enhance the quality of life through the constructive application of technology in the electrical-electronics fields ranging from acoustics and aerospace systems to ultrasonics and vehicular technology.

Our Northern Virginia Section, which now consists of 2700 members, 246 from McLean, holds monthly meetings, usually in the evenings of the second Wednesday of each month on a variety of subjects with some very interesting speakers. Our meetings are never classified and each speaker is free to choose his own subject although an orientation toward the electrical-electronics field is preferred. Most of our meetings have been held at either the Westgate Research Park in McLean or at E-Systems, Melpar Division, in Falls Church, Va.

In response to the recommendations from numerous engineer members of the Northern Virginia Section, I am writing to invite you to address our Section at a time to suit your convenience.

I shall look forward to hearing from you.

Yours truly,

*Vernon E. Gardner*

Vice Chairman

W: (703) 920-7101 and 7100

*Meeting* Notice to be published in the <sup>December, 1977</sup> Washington IEEE Bulletin\*

Scientific Intelligence had its birth in the days just before the outbreak of World War II. The British selected a tall, solemn physicist named R. V. Jones to head their first Scientific Intelligence effort. Jones' success in collecting and analyzing information on German radar, navigation systems, and the V-1 and V-2 rockets contributed significantly to the British War effort.

Since Jones' time, Scientific Intelligence has grown apace with the technological arms race. Progress in limiting the expansion of new, high sophisticated weaponry depends critically on our understanding the weapons and technological capabilities and intentions of likely opponents.

Responding to this need, the US Intelligence community has funded extensive R&D, largely in the electronics area, to develop new and improved methods of technical collection. However, the basic rules of Scientific Intelligence remain much the same today as they were when Dr. Jones developed them during World War II. This presentation will discuss the development of these principles of Scientific Intelligence analysis and their current application with emphasis on electronics analysis.

\*Note: A copy of this bulletin goes to the Scientific Attache of the Soviet Embassy.

STATINTL

[REDACTED] is the Chief, Electronic Branch, Office of Scientific Intelligence of the Central Intelligence Agency. He joined CIA in 1970, after receiving a Ph.D in electrical engineering [REDACTED]

STATINTL

He previously served in the US Air Force as a B-52 electronics warfare officer and staff intelligence officer.

STATINTL

[REDACTED] is a registered professional engineer and has been a member of the IEEE since 1965. He also is a member of the American Geophysical Union, and the Association of Old Crows. He is an associate member of the U.S. National Committee of URSI and the DOD Advisory Group on Electron Devices.

STATINTL

[REDACTED] publications include an article on

STATINTL

[REDACTED] in the Journal of Atmospheric and Terrestrial Physics; a tutorial on electronics warfare; and numerous classified intelligence publications on radar, electronics warfare, microwaves and antenna technology.